

REMARKS

I. Status of the Claims

Claims 1-12, 14-15, 17-24, 26-39 are pending in this application. No new matter is added by this amendment. No new matter is introduced. Reconsideration of the above-identified application in view of the following remarks is respectfully requested.

II. Claim Rejections under 35 U.S.C. § 112

Claims 27 and 38 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

III. Response to Claim Rejections under 35 U.S.C. § 112

The above amendment of Claims 27 and 38 resolves this ground for rejection.

IV. Claim Rejections under 35 U.S.C. § 103

Claims 1-6,10,12-15,17,20,26-30,32,33, and 37-39 are rejected under 35 U.S.C. 103(a) as being unpatentable over Carlson et al, US 2002/0071416 A1 in view of Schiffer, US 6,871,063. Hereinafter referred to as Carlson and Schiffer respectively ..

Claims 7-9, 11, 18, 19, 21-24, 31 and 34-36 are rejected under 35 U.S.C. 103(a) as being unpatentable over Carlson et al, US 2002/0071416 A 1 in view of Schiffer, US 6,871,063 and further in view of Findikli et al, US 6,445,914. Hereinafter referred to as Findikli.

V. Response to Claim Rejections under 35 U.S.C. § 103

The Applicant's claimed invention includes the feature of the mobile station establishing and authenticating a connection from the mobile station to the mobile station's own communications network using the received user identification data of the first wireless communication device, by transmitting at least a portion of information in the user identification data to the communications network, receiving a challenge from the communication network to the first wireless device, forwarding the challenge to the first wireless device, receiving a

response to the challenge from the first wireless device, and forwarding the response to the communication network.

The Applicant's claimed invention further includes the feature of the first wireless communication device establishing and authenticating a connection through the mobile station to the communications network using the user identification data of the first wireless communication device, by transmitting at least a portion of information in the user identification data to the mobile station for forwarding by the mobile station to the communications network, receiving a challenge from the mobile station that has been forwarded by the mobile station from the communication network, and transmitting a response to the challenge to the mobile station for forwarding by the mobile station to the communications network.

The claimed forwarding of the challenge and the response by the mobile station using the user identification data of the first station is disclosed in the Applicant's Figure 4 and in the Applicant's specification, inter alia, at paragraphs [0043]-[0044], which read as follows:

[0043] ... This is typically done by a challenge-response procedure. In it, the network 30 generates a random number RAND and transmits it as a challenge over the cellular network connection 32 to the mobile station 20 which, in turn, transmits the random number RAND over the local link 12 to the PDA device. The control unit of the PDA device receives the random number RAND and transfers it over the second control and data bus 18 to the SIM card 16 in the slot of the reader 15. The processor of the SIM card generates a response SRES on the basis of the random number RAND and a specific SIM secret Ki and using a particular algorithm, and the response is transmitted from the SIM card 16 to the control unit 14 of the PDA device. The control unit 14 transmits the response SRES over the local link 12 to the mobile station 20 from which it is transmitted on to the network 30 via the cellular network connection 32. The network 30 which knows said SIM secret Ki, generates, on its part, a SRES using the same algorithm as the processor of the SIM card 16. When the network 30 receives the response SRES via the mobile station 20 from the SIM card 16 of the PDA device, the network 30 compares the SRES that it has generated by itself to the SRES received from the SIM card 16 of the PDA device. If the SRES generated by the network matches the SRES received from the SIM card 16, the network 30 accepts the registration of the mobile station 20 to the network using the user identification data of the PDA device 10.

[0044] If the network 30 accepts the registration of the subscriber (the user/subscriber identified by the IMSI code of the SIM card of the PDA device) to the network, an "accept" message is transmitted from the network to the sender of the "authentication" message to indicate to the wireless communication device that the network accepts the registration of the subscriber to the network. If the network rejects the registration, a "reject" message is transmitted from the

network to the sender of the "authentication" message to indicate to the wireless communication device that the network 30 does not accept the registration of the subscriber to the network. The reason for rejection may be that the subscriber in question simply does not have permission to register to the network of the network operator in question. The reason for rejection is included in the "reject" message.

The Applicant's claimed forwarding of the challenge and the response by the mobile station using the user identification data of the first station is not disclosed or suggested by Carlson, or Schiffer, or Findikli or their combination.

Carlson discloses a first wireless device connecting to a network resource through a mobile network access point, by using the mobile network access point's identity to make the network connection. There is no disclosure or suggestion of the Applicant's claimed forwarding of the challenge and the response by the mobile station using the user identification data of the first station.

Schiffer discloses authentication by receiving a password from the user and comparing the password to information stored in a protected memory region in the mobile phone, when the user is authenticated, establishing a short-range, wireless communication link between the mobile phone and the computer system. There is no disclosure or suggestion of the Applicant's claimed forwarding of the challenge and the response by the mobile station using the user identification data of the first station.

Findikli discloses a GSM removable subscriber identity module (SIM) card. There is no disclosure or suggestion of the Applicant's claimed forwarding of the challenge and the response by the mobile station using the user identification data of the first station.

The Applicant's claimed invention is patentable over the cited references and their combination. The Applicant's claimed forwarding of the challenge and the response by the mobile station using the user identification data of the first station is not disclosed or suggested by Carlson, or Schiffer, or Findikli or their combination.

CONCLUSION

Applicants respectfully submit that this Application is in condition for allowance for which action is earnestly solicited.

If a telephone conference would facilitate prosecution of this Application in any way, the Examiner is invited to contact the undersigned at the number provided.

AUTHORIZATION

The Commissioner is hereby authorized to charge any additional fees which may be required by this response, or credit any overpayment to Deposit Account No. 50-4827, Order No. 1004289-072US (4208-4072).

In the event that an extension of time is required, or which may be required in addition to that requested in a petition for an extension of time, the Commissioner is requested to grant a petition for that extension of time which is required to make this response timely and is hereby authorized to charge any fee for such an extension of time or credit any overpayment for an extension of time to Deposit Account No. 50-4827, Order No. 1004289-072US (4208-4072).

Respectfully submitted,
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